

Fig. 1- (PRIOR ART)

Fig. 3 (PRIOR ART)

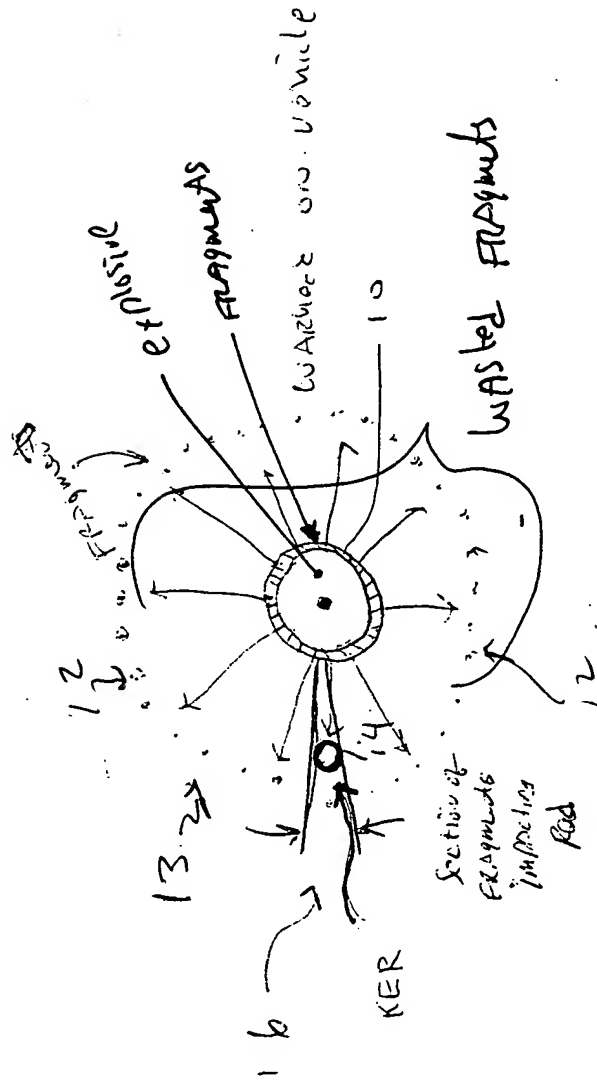


Fig. 2 (PRIOR ART)

Fig. 4

T80 MBT fitted with Arena APS

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SENSITIVE

Applicant: Richard M. Lloyd
Title: VEHICLE-BORNE SYSTEM AND METHOD FOR
COUNTERING AN INCOMING THREAT
Docket No.: RAY-144J
Attorney: Roy J. Coleman, Reg. No. 48,863
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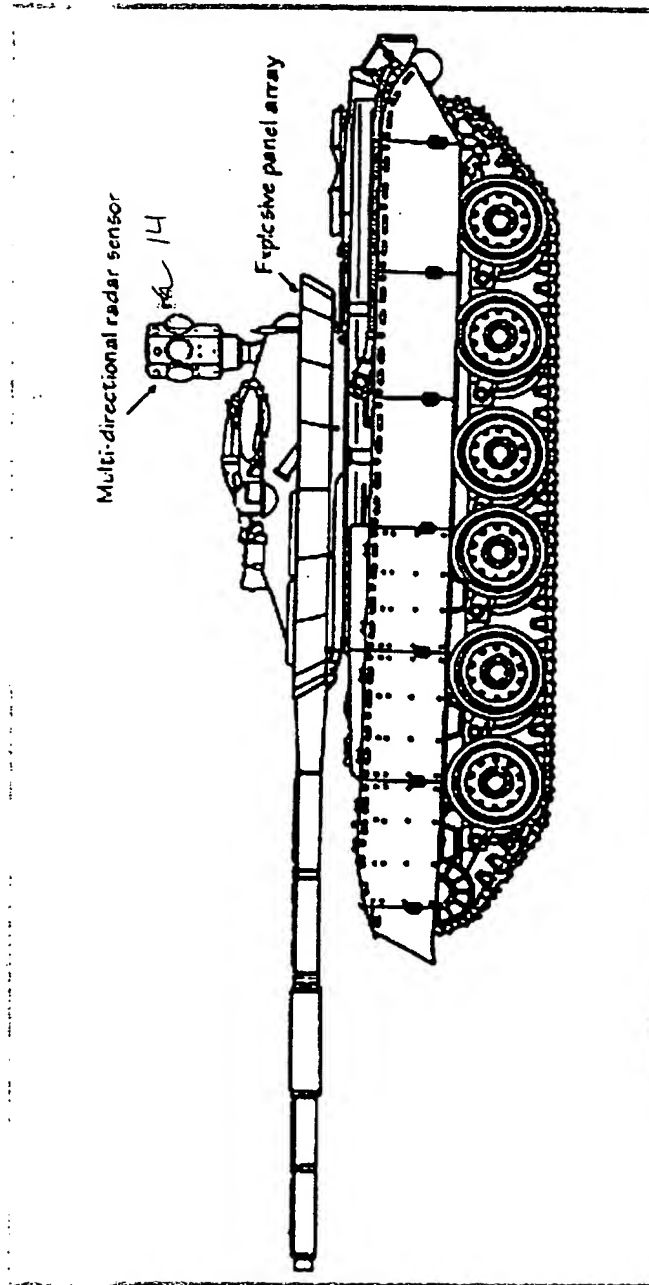


Fig. 5

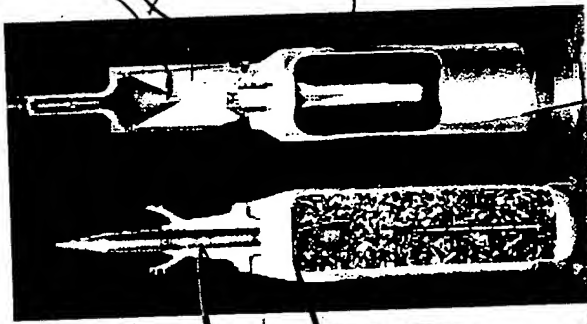


Fig. 6

Handwritten notes in the top right corner of the page, including the word "charge" and some illegible scribbles.

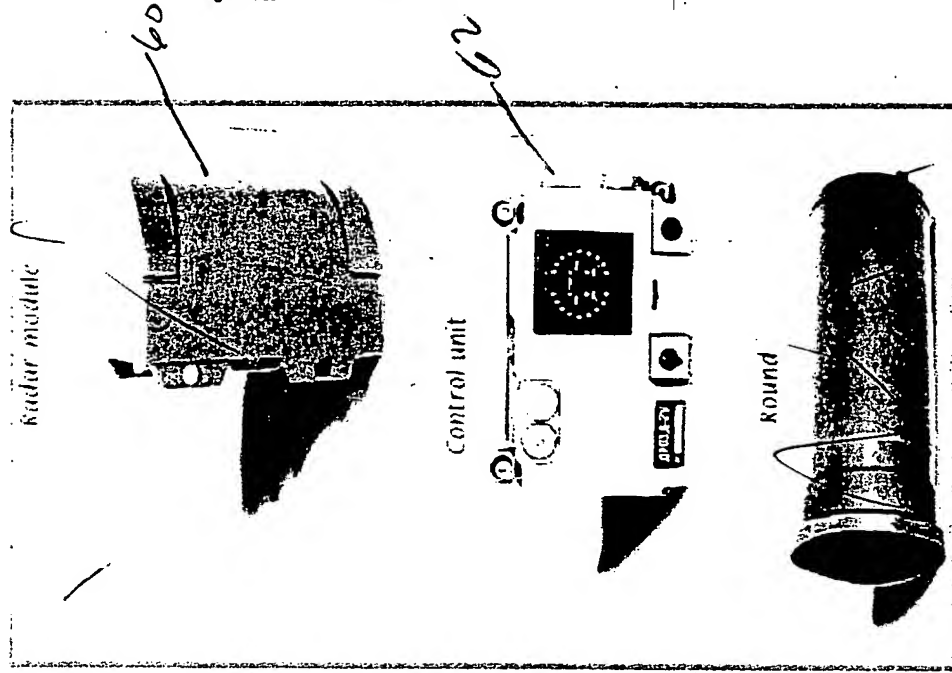


Fig. 7B

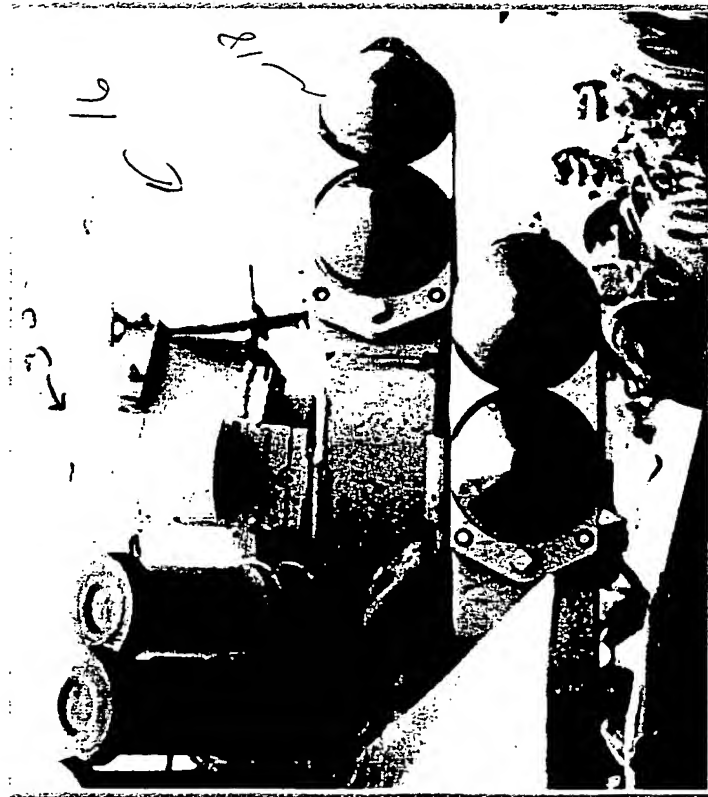


Fig. 7A

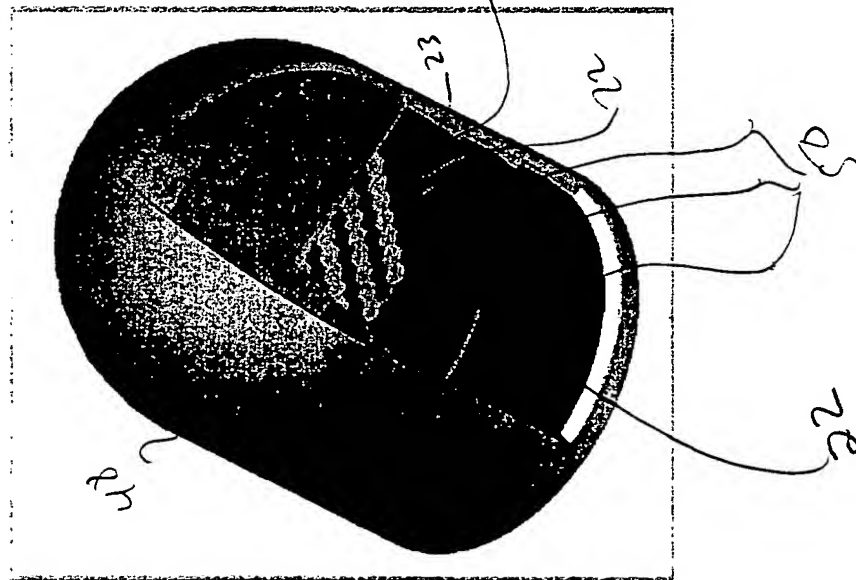


Fig. 8A

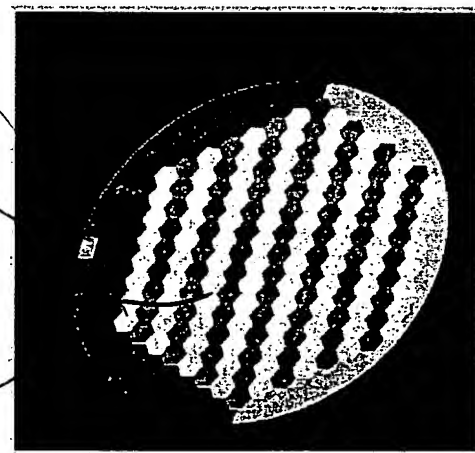


Fig. 8B

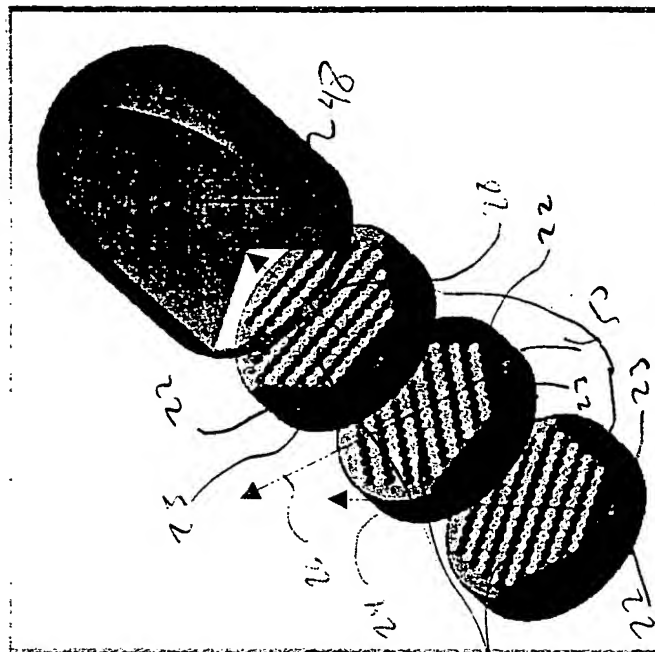
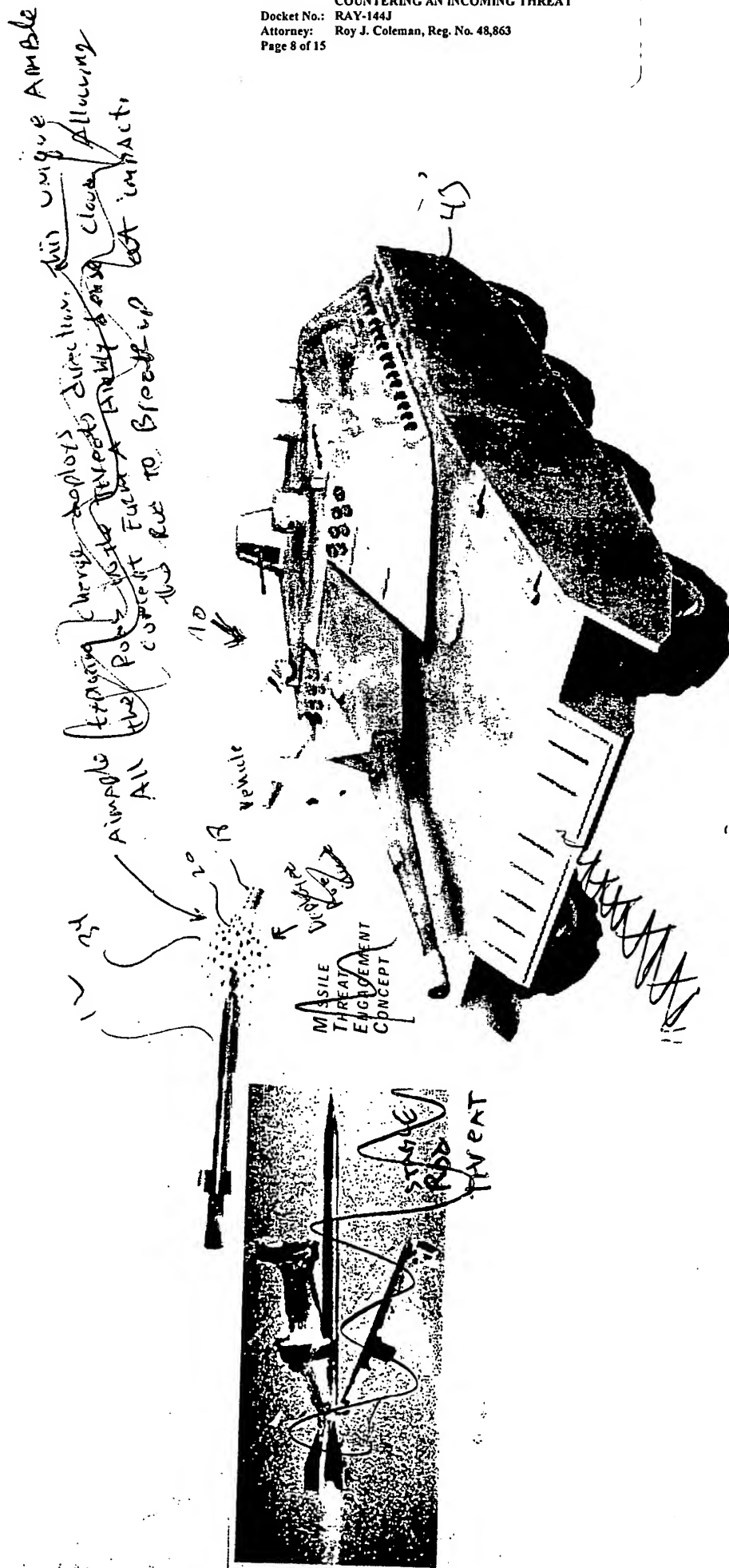


Fig. 8C



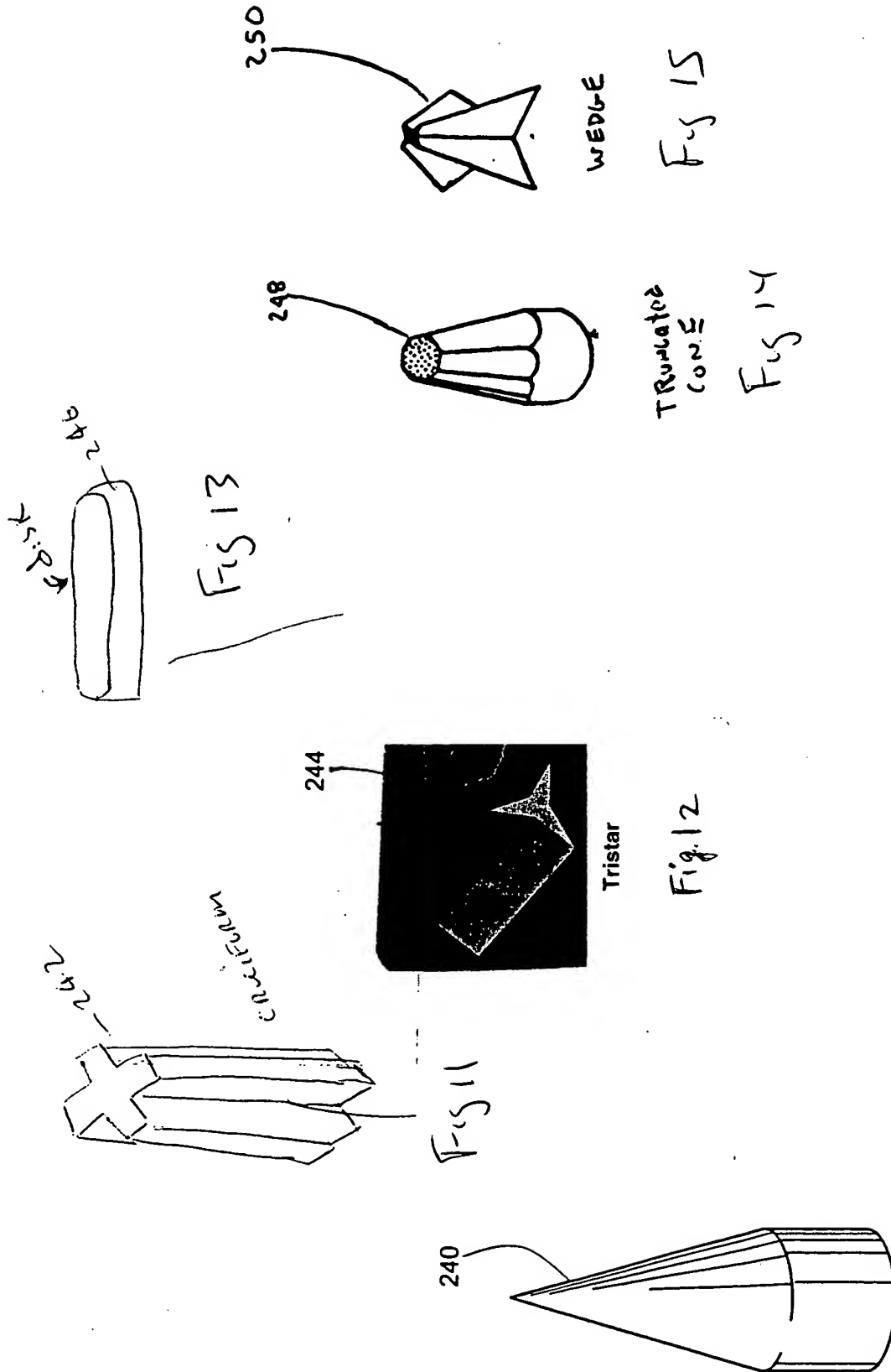


Fig. 10
 Fig. 11
 Fig. 12
 Fig. 13
 Fig. 14
 Fig. 15

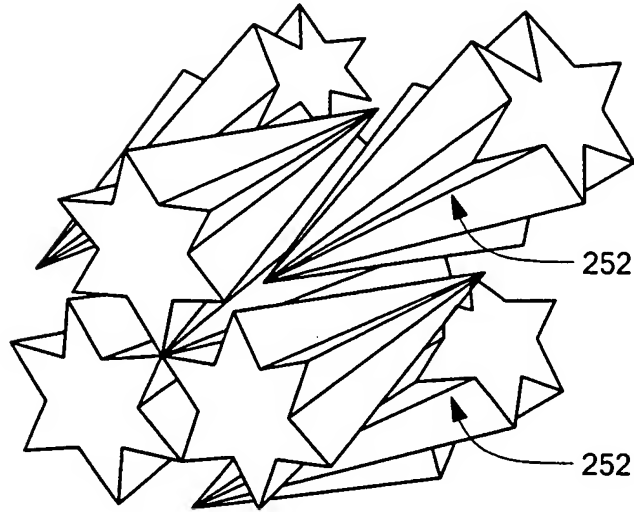


Fig. 16

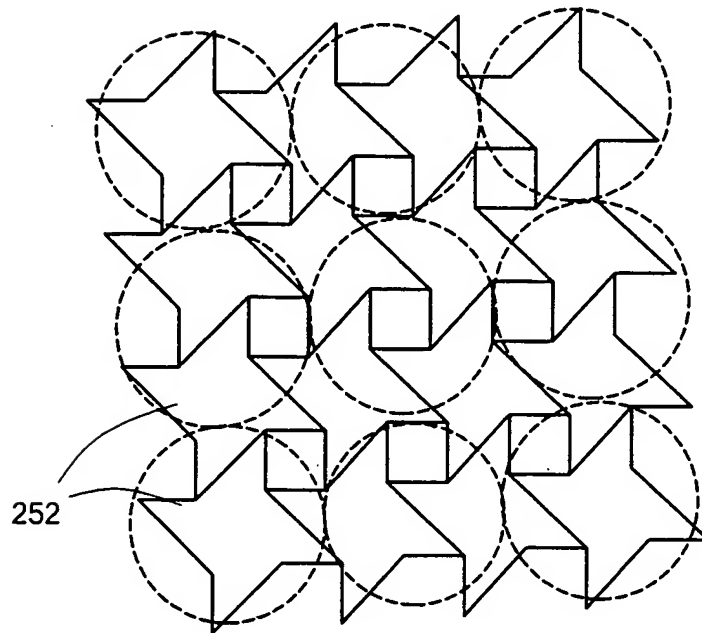


Fig. 17

BMP-3 ICV fitted with ARENA APS

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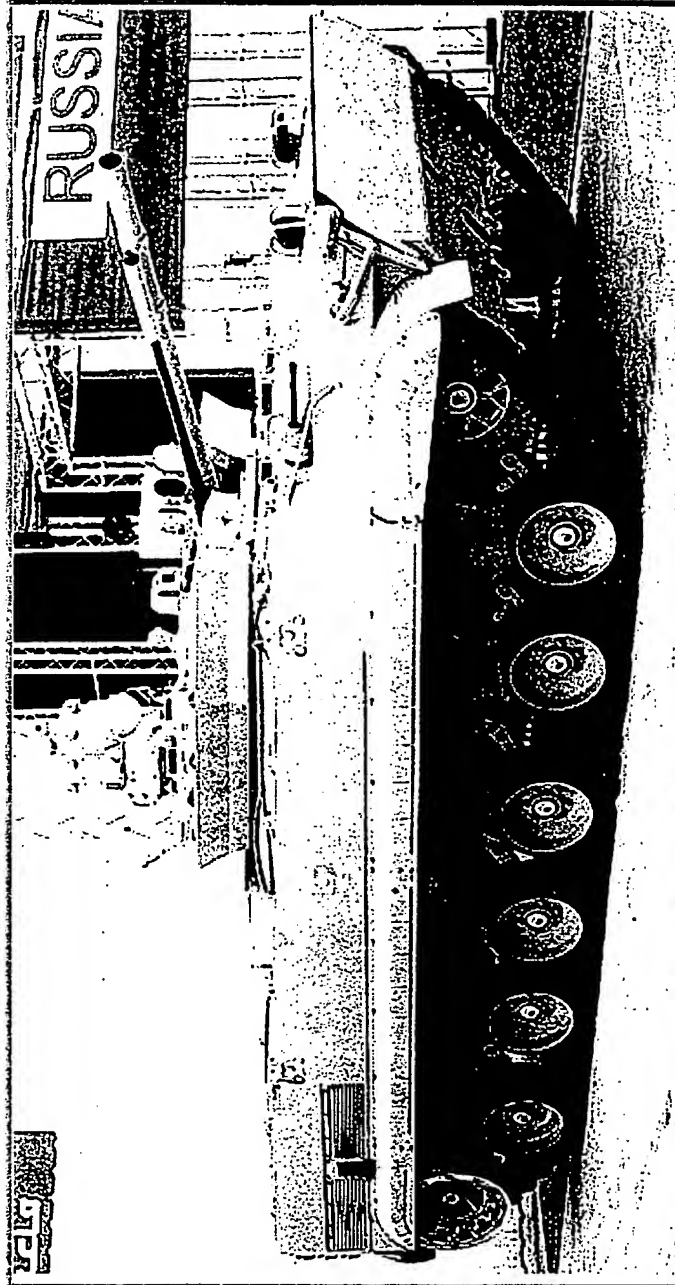


Fig. 18

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T-80UM2 fitted with DROZD APS

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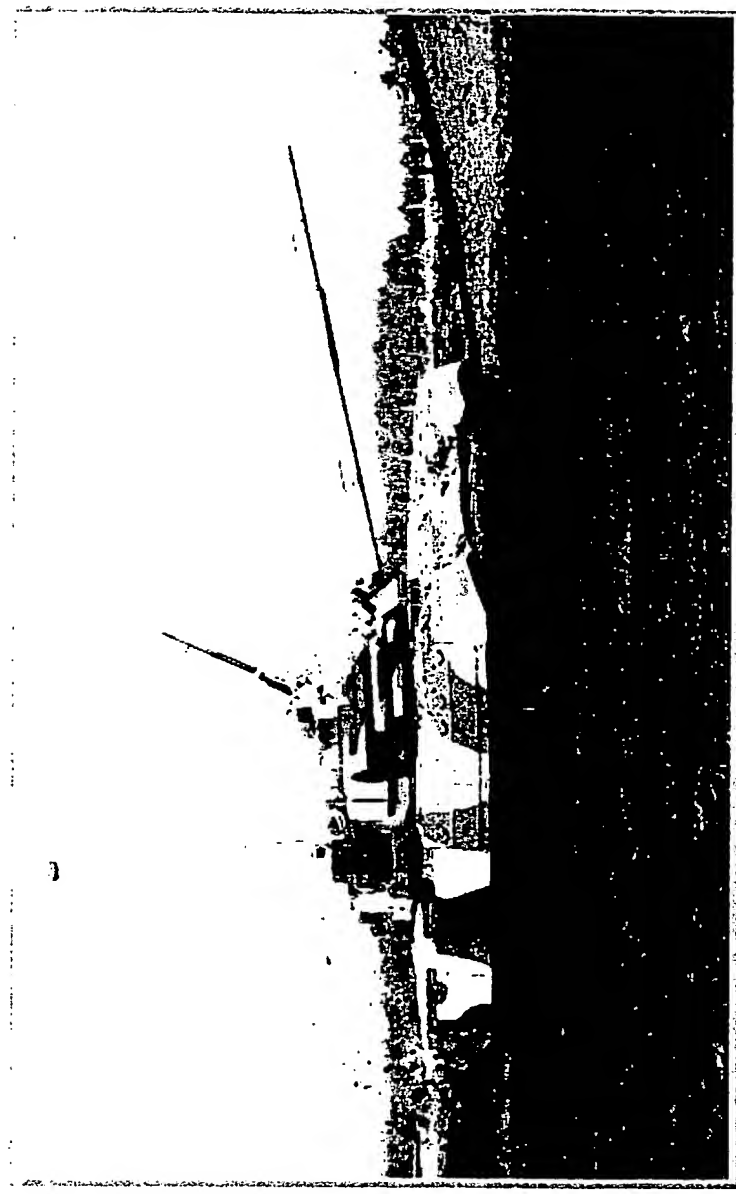


Fig. 19

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T-800UM1 (Snow Leopard) fitted with ARENA APS

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Fig. 20

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APENA-APS fitted on BMP-3 ICV close-up

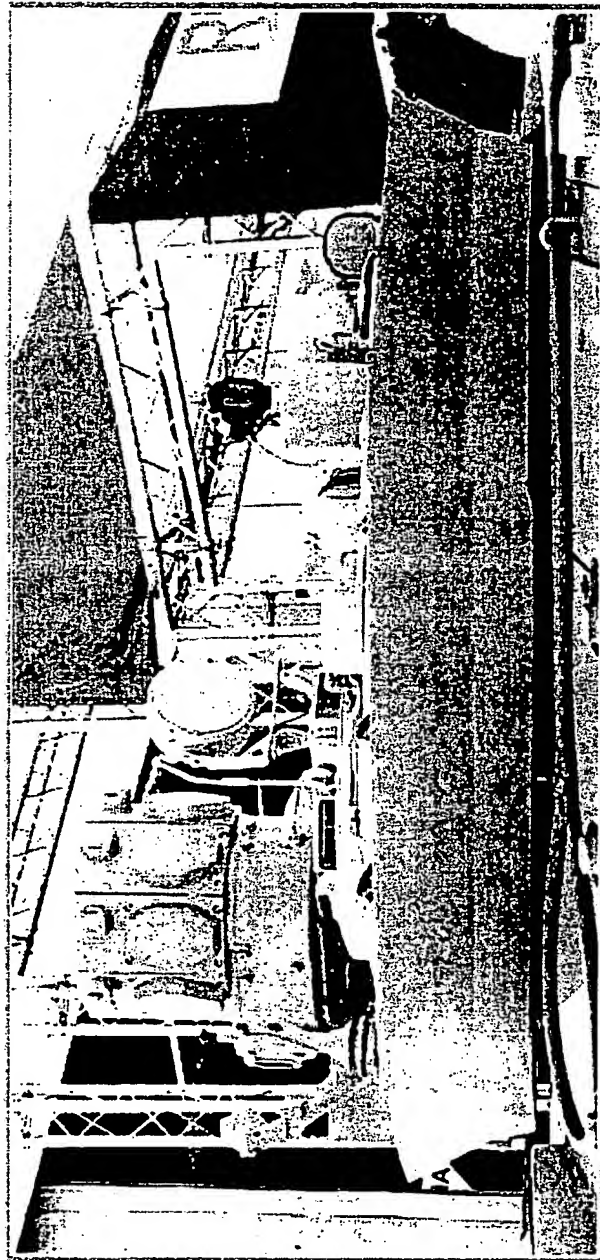


Fig. 21

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Sensing an incoming threat

- 100

Activating an active protection system including a maneuverable interceptor incorporating a plurality of kinetic energy rods and an explosive charge configured to aim the kinetic energy rods in a predetermined direction;

- 102

Maneuvering the interceptor to intercept the incoming threat;

- 104

detecting if the interceptor will miss the incoming threat, and if the interceptor will miss the incoming threat, initiating the explosive charge to aim the kinetic rods into a disbursed cloud in the trajectory path of the incoming threat and between the incoming threat and the vehicle.

- 106

Fig. 22